

Title (en)

SYSTEM AND METHOD FOR DETECTING TURBINE UNDERPERFORMANCE AND OPERATION ANOMALY

Title (de)

SYSTEM UND VERFAHREN ZUR ERKENNUNG VON UNZUREICHENDER LEISTUNG UND BETRIEBSANOMALIE EINER TURBINE

Title (fr)

SYSTÈME ET PROCÉDÉ DE DÉTECTION DE SOUS-PERFORMANCE ET D'ANOMALIE DE FONCTIONNEMENT D'UNE TURBINE

Publication

EP 3869286 A1 20210825 (EN)

Application

EP 21158481 A 20210222

Priority

US 202016797593 A 20200221

Abstract (en)

A method of correcting turbine underperformance includes calculating a power production curve using monitored data, detecting changes between the monitored data and a baseline power production curve, generating operability curves for paired operational variables from the monitored data, detecting changes between the operability curves and corresponding baseline operability curves, comparing the changes to a respective predetermined metric, and if the change exceeds the metric, providing feedback to a turbine control system identifying at least one of the paired operational variables for each paired variable in excess of the metric. A system and a non-transitory computer-readable medium are also disclosed.

IPC 8 full level

G05B 23/02 (2006.01); **F03D 17/00** (2016.01)

CPC (source: CN EP US)

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